

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

IFW

In re the Application of: **Hideaki KASAI et al.**

Group Art Unit: **Unknown**

Application Number: **10/561,616**

Examiner: **Unknown**

Filed: **December 20, 2005**

Confirmation Number: **6528**

For: **SURFACE-SPINTRONIC DEVICE**



Attorney Docket Number: **053485**

Customer Number: **38834**

**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §1.97(b)**

Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

May 18, 2006

Sir:

In compliance with 37 C.F.R. §1.56, Applicants direct the attention of the Patent and Trademark Office to the documents listed on the attached PTO/SB/08. This paper is being filed within the time periods set forth in 37 C.F.R. §1.97(b). A copy of each non-U.S. document is enclosed herewith.

To the extent the documents listed on the attached Form PTO/SB/08 are not in the English language, the requirement of 37 CFR 1.98(a)(3) for a concise explanation of the relevance is satisfied by the discussion of the document in the specification.

If there are any fees due in connection with the filing of this paper, please charge Deposit Account No. 50-2866.

Respectfully submitted,

**WESTERMAN, HATTORI, DANIELS & ADRIAN, LLP**

A large, stylized handwritten signature in black ink, appearing to read "William F. Westerman".

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Enclosures: PTO/SB/08  
7 Documents

Combined Form PTO/SB/08A&amp;B

**INFORMATION DISCLOSURE  
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Complete if Known

Application Number	10/561,616
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First Named Inventor	Hideaki KASAI et al.
Art Unit	Unknown
Examiner Name	Unknown
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Sheet 1 of 1

**U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
		US			
		US			

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
	1	H.C. MANOHARAN, et al., "Quantum mirages formed by coherent projection of electronic structure", 2000 Macmillan Magazines Ltd., Letters to Nature, Nature/Vol. 403, February 3, 2000, pp 512-515	
	2	Andrew ZANGWILL, "Physics at Surfaces", Electronic Structure, Photoelectron Spectroscopy, page 72	
	3	P. HOHENBERG, et al., "Inhomogeneous Electron Gas", Physical Review, Vol. 136, Number 3B, November 9, 1964, pp B864-B871	
	4	W. KOHN, et al., "Self-Consistent Equations Including Exchange and Correlation Effects", Physical Review, Vol. 140, Number 4A, November 15, 1965, pp A1133-A1138	
	5	Takeo FUJIWARA, "Lotai Denshi Kozo" (Electronic Structure of Solid State), Asakura Shoten, Chapter 3, pp 51-87	No
	6	J. SHEN, et al., "The effect of spatial confinement on magnetism: films, stripes and dots of Fe on Cu(111)", Institute of Physics Publishing, Journal of Physics: Condensed Matter, J. Phys.: Condens. Matter 15 (2003) R1-R30, 2003 IOP Publishing Ltd., pp R1-R30	
	7	Translation of the International Preliminary Report on Patentability of International Application No. PCT/JP 2004/009226, with Form PCT/IB/338, PCT/IB/373 and Form PCT/ISA/237	

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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